

For proper use of our products is recommended that practitioner is trained. Implant System Microdent S.L. organizes periodic training courses, which reports on the particularities of each of the components of surgical instruments and their proper use. These instructions for use are available in pdf format at the following web address: [www.microdentssystem.com/instructions-for-use](http://www.microdentssystem.com/instructions-for-use)  
To open pdf files you need the free Adobe Acrobat Reader.

**INTENDED USE**

Implant System Microdent S.L. placed on the market surgical instruments required to allow the application and use of their implant systems.

**SURGICAL INSTRUMENTS DESCRIPTION**

For proper selection of our products are advised to consult the published catalogs of products. All surgical instruments placed on the market by Implant Microdent System SL are made of stainless steel. Surgical instruments for preparation of the implant alveolus, drills, is provided with depth markings which enable the user to know the depth at which the bone support is drilled. The depth indication that drills do not take into account the tip, this length being proportional to the diameter of the cutter. The different dimensions of the tip according to their diameter may be observed in the table below.

Drill diameter	1.80	2.50	2.80	3.00	3.20	3.50	3.80	4.20	4.50	5.10
Tip length	0.52	0.72	0.81	0.86	0.92	1.00	1.10	1.21	1.30	1.47

**PRESENTATION OF MICRODENT SURGICAL INSTRUMENTS**

**Packaging**

Implant Microdent System S.L. ensures that all surgical instruments follow a manufacturing process, control and extreme cleaning before being packaged. Surgical instruments are packed in blister, bag or box. The product contains identifying label with the batch number, size and model of product.

**Instrument supply state.**

Surgical instruments are **not sterile**. Before using, product must be sterilized, at customer sites.

For the correct sterilization of the product you should follow the following steps:

- Removing the product from the packaging supplied. This package does not allow the proper sterilization of the product contained.
- Place the product in FDA- cleared sterilization accessories, such as bag or containers, are to be used for the recommended sterilization parameters. We recommend steam sterilize (autoclave) using a pre-vacuum cycle. Please observe the characteristics of equipment you have. The parameters recommended by ANSI / AAMI ST79 are:
  - Temperature: 270°F/132°C
  - Exposure time: 4 minutes.
  - Drying time: 20 minutes.

**Surgical Kits**

Microdent supplies different models of kits that allow a rational organization, and proper storage of surgical instruments. Kits surgery or boxes are manufactured from high performance thermoplastic materials which allow undergo the process of steam sterilization in an autoclave. For proper sterilization is advised to follow the parameters listed in the previous section.

**LABELLING SYMBOLS**

Product label shows the following indications:



Non-sterile



Consult Instructions for use

**CONTRAINDICATIONS**

None Known.

**WARNINGS AND PRECAUTIONS**

In the use of surgical instruments is required for proper irrigation prevent overheating of the bone which could cause failure of the implant. Surgical instruments are part of an overall design concept, having adequate use with products manufactured by Implant Microdent System S.L., therefore, the combination of Microdent products with others outside the mark can cause no optimal operation of these products.

Surgical instruments equipped contrangle attachment, as ISO 1797, should not be employed at a torque greater than 70 Ncm.

The surgical instruments must be cleaned and sterilized before use on another patient.

Products should be used only for the purpose for which they were specified.

We warn you about the risk of toxicity and allergenicity for patients sensitive to the materials described under "SURGICAL INSTRUMENTS DESCRIPTION".

Before proceeding with surgery, it is the user's responsibility to check the product, the container and to make sure it is the right product for the patient.

Implant Microdent System S.L. advised that the availability of substitutes.

For proper cleaning of surgical instruments should follow the following instructions:

- Do not use cleaning or disinfection with chlorine or acids.
- Avoid all products containing an aldehyde, given the ability to attach these proteins.
- Remove carefully all post-operative waste left on the surface or inside the surgical instruments.

For this work use a nylon bristle brush.

- In the case of instruments with cutting edges, to avoid as much as possible the contact bumps and other instruments that may damage the surface and / or the cutting edges thereof.
- Immediately after proceeding to the cleaning process, rinse with distilled water and dry thoroughly.
- **Improper drying can cause occurrence of oxidation points in the products.**

Surgery drills, is subject to wear and use, remain the responsibility of the user the periodic renewal of these products.

Implant Microdent System S.L. advised to check the status of the drills before surgery and in dependence of the bone type recommended the replacement after 10 to 20 uses.

In general, during the oral use of our products the user must take precautions to prevent aspiration by the patient.

**LIABILITY, SAFETY AND WARRANTY**

If the protective packaging of product is damaged during delivery, Implant Microdent System S.L. will replace it free of charge. This will not be the case if there is evidence of product manipulation.

The guarantee will apply to Implant Microdent System S.L instruments provided they have been used following the instructions indicated.

For a refund of the products that mention these instructions should follow the guidelines established in our conditions of sale and delivery.



**DRILLS**  
(Non sterile)

Manufactured by: Implant Microdent System S.L.  
C/Carles Buigas, 1 (Can Magre).  
Sta. Eulalia de Ronçana 08187 Barcelona, Catalonia (Spain).

Made in Spain.